

ABSTRACT

An object of the present invention is to improve the network usage efficiency and economy. There is provided a radio communication apparatus (10) having ad-hoc communication means for building an ad-hoc network with other nearby radio communication apparatus and performing communication with the other radio communication apparatus by radio. The ad-hoc communication means comprises: node type setting means for searching the ad-hoc network for the master and setting the node type of the radio communication apparatus (10) to any of the master and slave on the basis of the search result; set-up information acquisition means for, when the node type of the radio communication apparatus (10) is set to the slave, transmitting and receiving control signals to and from the master to acquire set-up information required for communication with any of the master and slave in the ad-hoc network and storing the set-up information in storage means; and data signal transmission means for directly transmitting and receiving data signals to and from any of the master and slave in the ad-hoc network in accordance with the set-up information acquired from the master.